

Amendments to the Claims:

This listing of claims replaces all prior listings, and versions, of claims in the application:

Listing of Claims:

Claims 1. – 43. (Cancelled)

44. (Currently Amended) Apparatus for a dual mode mobile communication device useable by a user, said apparatus comprising:

~~a single, integrated device housing of a single section, said single integrated device housing having a single and continuous front surface, a rear surface, a top face surface, and a bottom face surface, within which are mounted a speaker, a microphone, a display and one, complete alphanumeric keyboard having keys to form a unitary keyboard structure laid out in the QWERTY style, keys of said QWERTY style keyboard protruding through and extending above the front surface, said QWERTY style keyboard being located adjacent to, and below, the display, said speaker being located above the display and said microphone also being located below the display, said housing also having a first dimension and a second dimension, the first dimension defining a major axis extending between a top side surface and a bottom side surface of the housing, the second dimension defining a minor axis, between a left side surface and a right side surface, said top side surface and said bottom side surface being substantially parallel to each other and substantially orthogonal to said continuous single front surface and to the left and right side surfaces, said housing also having a single rear surface;~~

~~a voice communication interface configured in the single, integrated device housing for operating the device in a voice mode of operation, the voice communication interface comprising the speaker, the display and the microphone;~~

~~a data communication interface configured in the single, integrated device housing for operating the device in a data mode of operation, the data communication interface comprising the display and the complete alphanumeric keyboard laid out in the QWERTY style.~~

a speaker mounted within said integrated device housing;

a microphone mounted within said integrated housing;

a display mounted within said integrated housing; and

a complete alphanumeric keyboard having keys to form a unitary keyboard structure laid out in QWERTY style, keys of said keyboard being organized into three rows of letter keys. an upper row of letter keys spanning both left hand and right hand sides of the front surface of said integrated housing, the letter keys in an upper row disposed such that five letter keys of the upper row are disposed on each side of a vertical reference line, the keys in a middle row disposed such that five letter keys are disposed on one side of the vertical reference line and four letter keys are disposed on the other side of the vertical reference line, and the keys in a lower row disposed such that four letter keys are disposed on the one side of the vertical reference line and three letter keys are disposed on the other side of the vertical reference line.

45. (Currently Amended) The apparatus of claim 44, wherein ~~the single,~~ integrated device housing the device has a generally rectangular shape and wherein ~~the continuous, single-front~~ surface is substantially planar and wherein ~~where~~ the keys of QWERTY style keyboard extend through ~~the said single, continuous-front~~ surface.

46. (Cancelled)

47. (Currently Amended) The apparatus of claim 45, wherein the integrated device housing comprises the side surfaces that connect the front surface to the rear ~~back~~ surface.

48. (Previously Presented) The apparatus of claim 47, wherein the microphone is positioned on the bottom side surface of the device housing.

49. (Previously Presented) The apparatus of claim 44, wherein the microphone is positioned below the QWERTY keyboard.

50. (Previously Presented) The apparatus of claim 44, wherein the speaker, display, QWERTY keyboard, and microphone are each aligned along the major axis defined through the device housing.

51. (Previously Presented) The apparatus of claim 44, wherein the display and the QWERTY keyboard are aligned along the major axis defined through the device housing, and wherein the speaker and microphone are offset from the vertical reference line.

52. (Previously Presented) The apparatus of claim 44, wherein the display is rectangular.

53. (Currently Amended) The apparatus of claim 44, wherein the QWERTY keyboard includes the ~~a plurality of~~ letter keys, a plurality of function keys and a space bar key.

54. (Previously Presented) The apparatus of claim 53, wherein the plurality of function keys include a backspace key, an enter key and a delete key.

55. (Previously Presented) The apparatus of claim 53, wherein the QWERTY keyboard further includes a NUM lock key and a CAP lock key, wherein the NUM lock key and the CAP lock key are positioned on either side of the space bar key.

56. (Cancelled)

57. (Currently Amended) The apparatus of claim 56, wherein the letter keys on the left hand side of the device housing are tilted at a negative angle with respect to the ~~a~~ vertical reference line ~~through the device housing~~ and the letter keys on the right hand side of the device housing are tilted at a positive angle with respect to the vertical reference line.

58. (Previously Presented) The apparatus of claim 57, wherein each key on the left hand side is tilted at a common negative angle with respect to the vertical reference line and wherein each key on the right hand side is tilted at a common positive angle with respect to the vertical reference line.

59. (Previously Presented) The apparatus of claim 58, wherein the common negative angle and the common positive angle are complementary angles.

60. (Previously Presented) The apparatus of claim 57, wherein the letter keys are oblong shaped.

61. (Previously Presented) The apparatus of claim 60, wherein the oblong shaped letter keys are oval shaped.

62. (Previously Presented) The apparatus of claim 60, wherein the oblong shaped keys are rectangular shaped.

63. (Previously Presented) The apparatus of claim 60, wherein the oblong shaped keys are diamond shaped.

64. (Currently Amended) The apparatus of claim 56, ~~wherein the letter keys are organized into three rows of keys,~~ wherein each key in each row of keys is horizontally aligned across a front surface of the device housing with the other keys in the row of keys.

65. (Currently Amended) The apparatus of claim 56, ~~wherein the letter keys are organized into three rows of keys,~~ wherein the keys in each row of keys are configured along an arc across a front surface of the device housing.

66. (Previously Presented) The apparatus of claim 65, wherein the arc is convex.
67. (Previously Presented) The apparatus of claim 65, wherein the arc is concave.
68. (Previously Presented) The apparatus of claim 56, wherein the plurality of letter keys are symmetrically shaped.
69. (Previously Presented) The apparatus of claim 68, wherein the letter keys are square shaped.
70. (Previously Presented) The apparatus of claim 68, wherein the letter keys are circular shaped.
71. (Previously Presented) The apparatus of claim 44, further comprising a serial port mounted along a side surface of the device housing.
72. (Previously Presented) The apparatus of claim 44, further comprising at least one auxiliary input/output device mounted along a side surface of the device housing.
73. (Previously Presented) The apparatus of claim 72, wherein the auxiliary input/output device is a thumbwheel.
74. (Previously Presented) The apparatus of claim 72, wherein the auxiliary input/output device is a LED.
75. (Previously Presented) The apparatus of claim 44, further comprising:
a microprocessor, coupled to the transceiver, the display, the QWERTY keyboard, the microphone and the speaker, for controlling the operation of the device.

76. (Currently Amended) The apparatus of claim 75, further comprising:
a memory store for storing an operating system and one or more application programs that are executed by the microprocessor, the one or more application programs including at least a voice communication module and a data communication module;
wherein the voice communication module controls the voice communication interface when the device is in a ~~the~~ voice mode of operation and the data communication module controls the data communication interface when the device is in a ~~the~~ data mode of operation.
77. (Previously Presented) The apparatus of claim 76, wherein the one or more application programs further include a personal information manager application program.
78. (Previously Presented) The apparatus of claim 44, further comprising a transceiver for sending and receiving voice communications.
79. (Previously Presented) The apparatus of claim 44, further comprising a transceiver that includes at least one antenna, a transmitter and a receiver coupled to the at least one antenna, and a digital signal processor for communicating with the transmitter and the receiver.
80. (Previously Presented) The apparatus of claim 44, further comprising a short range RF communications system.
81. (Previously Presented) The apparatus of claim 44, further comprising a transceiver that sends and receives voice communications to and from a wireless voice network and wherein the transceiver sends and receives data communications to and from a wireless data network.
- 82-83. (Cancelled)

84. (Currently Amended) The apparatus of claim 44, wherein the ~~single~~, integrated device housing includes a front surface, a rear surface, and a plurality of side surfaces that couple the front surface to the rear surface.

85. (Cancelled)

86. (Currently Amended) The apparatus of claim 84, wherein the QWERTY keyboard is symmetrically positioned between the left hand and right hand sides of ~~from two of the side surfaces in the front surface.~~

87. (Currently Amended) The apparatus of claim 84, further comprising a thumbwheel input device mounted within a one of the side surface ~~surfaces~~ adjacent to the display.

88. (Previously Presented) The apparatus of claim 84, further comprising a thumbwheel input device mounted within the front surface.

89. (Previously Presented) The apparatus of claim 44, further comprising:
an infrared data port for wireless transmitting and receiving data with another mobile communication device having a similar infrared data port.

90. (Currently Amended) The apparatus of claim 44, further comprising:
a mode key for switching the device between a ~~the~~ voice mode of operation and a ~~the~~ data mode of operation.

91. (Currently Amended) The apparatus of claim 84, wherein the integrated device housing comprises front, rear and plurality of side surfaces are formed using two separate device housing sections coupled together to form the single, integrated device housing.

92. (Previously Presented) The apparatus of claim 91, wherein the two separate device housing sections are coupled together using a plurality of fasteners.

93. (Previously Presented) The apparatus of claim 92, further comprising a single circuit board for mounting the display, keyboard and speaker, the single circuit board being positioned within the two separate device housing sections and maintained in place using the plurality of fasteners.

94. (Previously Presented) The apparatus of claim 44, further comprising:
a personal information manager (PIM) interface comprising the display, the QWERTY keyboard, and a PIM application program for operating the device in a PIM mode of operation.

95. (Previously Presented) The apparatus of claim 94, wherein the PIM application is configured to generate and store a plurality of PIM data items in a PIM database stored on the dual mode mobile communication device, the PIM data items including calendar data items, appointment data items and/or task data items.

96. (Currently Amended) The apparatus of claim 94, wherein the PIM application is configured ~~interacts with the voice communication interface~~ to manage and process received voice calls and voice messages at the dual mode mobile communication device.

97. (Currently Amended) The apparatus of claim 94, wherein the PIM application is configured ~~interacts with the data communication interface~~ to manage and process received data messages and to store the data messages in the PIM database on the dual mode mobile communication device.

98. (Previously Presented) The apparatus of claim 94, further comprising a serial port for interfacing the dual mode mobile communication device to a host computer system.

99. (Previously Presented) The apparatus of claim 98, wherein the serial port is used to synchronize data stored within the dual mode mobile communication device with data stored at the host computer system.

100. (Previously Presented) The apparatus of claim 99, wherein the data stored within the dual mode mobile communication device may be synchronized with the data stored at the host computer system over a wireless network in addition to being synchronized using the serial port.

101. (Previously Presented) The apparatus of claim 98, wherein the serial port is used to configure the operation of the device via a software application operating on the host computer.

102. (Previously Presented) The apparatus of claim 98, wherein the serial port is used to load application programs from the host system to the dual mode mobile communication device.

103. (Previously Presented) The apparatus of claim 98, wherein the serial port is used to load an encryption key from the host system to the dual mode mobile communication device to facilitate secure data communications via the data communication interface.

104. (Currently Amended) A handheld dual mode device ~~operable by a user and~~ capable of voice communication and data communication, said dual-mode device comprising:

an integrated device housing having a ~~single, continuous~~ front surface within which are mounted, and through which extend, a display and one, complete-alphanumeric keyboard having keys to form a unitary keyboard structure laid out in the QWERTY style, keys of said keyboard being organized into three rows of letter keys, an upper row of letter keys spanning both left hand and right hand sides of the front surface of said integrated housing, the letter keys in an upper row disposed such that five letter keys of the upper row are disposed on each side of a vertical reference line, the keys in a middle row disposed such that five letter keys are disposed on one side of the vertical reference line and four letter keys are disposed on the other side of the vertical reference line, and the keys in a lower row disposed such that four letter keys are

disposed on the one side of the vertical reference line and three letter keys are disposed on the other side of the vertical reference line, said keyboard being located adjacent to, and below, the display, said front surface including therein a speaker that is located above the display and a microphone that is also located below the complete, alphanumeric QWERTY-style keyboard, said housing also having and having a longer dimension and a shorter dimension, the longer dimension defining a major axis.

105. (Cancelled)

106. (Currently Amended) The handheld dual mode device of claim 104 wherein ~~the keys of said keyboard, laid out in the QWERTY style, are organized into three rows of keys,~~ the keys in each row configured along an arc across a front surface of the device housing.

107. (Previously Presented) The handheld dual mode device of claim 104 further comprising a speaker, mounted above said display.

108. (Previously Presented) The handheld dual mode device of claim 107 further comprising a microphone mounted at the front surface of said device housing, permitting use by the user pursuant to the voice communication and the data communication while maintaining the device housing in a common orientation.

109. - 117. (Cancelled)